

Interleukin-8 receptor A: SeqID: ENSP00000295683
Sequence and pentamer URS distribution

MSNITDCQWDFDDLNFTGMPPEADEDYSPCMLTEITLNKVVVIIAYALVFLLSLLGNSLVMLVILYSR
VGRSVTDVYILNLALADLLFALTLPWAASKVNGWIFGTFLCKVWSLLKEVNFYSGILLACISVDVRY
LAIVHAHRTLTQKRHLVKFVCLGWSLMSNLSPFFFLFQAYHPNNSPVCYEVLGNDTAKWRMVLRI
LPHTFGEIVPLFVMLFCYGFYTLTLFKAHMGQKHRAMRVIFAVVLI FLLCWL PYNLVLLADTLMRTQV
IQESCERRNNIGRALDATEILGELHSLCLNPIIYAFIQGNFRHGFLKILAMHGLVSKEFLARHVRTSYT
SSSVNVVSSNL (SEQ ID NO. 546)

ENSPO0000295683: list of pentamer URS peptides: (total number: 35) AHMGQ (SEQ ID NO. 547) Kt WPRM (SEQ ID NO. 548) AYHPN (SEQ ID NO. 549) CERRN (SEQ ID NO. 550) CLGCV (SEQ ID NO. 551) CYGHT (SEQ ID NO. 552) DLNPT (SEQ ID NO. 553) DPQMW (SEQ ID NO. 554) DTKAW (SEQ ID NO. 555) FCFYGF (SEQ ID NO. 556) FKAHM (SEQ ID NO. 558) HTTGF (SEQ ID NO. 559) IWAAS (SEQ ID NO. 560) K'WRPM (SEQ ID NO. 561) KYTVI (SEQ ID NO. 562) MGQKH (SEQ ID NO. 563) MPAPD (SEQ ID NO. 564) NFGTM (SEQ ID NO. 565) NGCWF (SEQ ID NO. 566) PQMWV (SEQ ID NO. 567) PYNLV (SEQ ID NO. 568) QKHRA (SEQ ID NO. 569) QMWDF (SEQ ID NO. 570) QNFRH (SEQ ID NO. 571) TAKWR (SEQ ID NO. 572) TDPMQ (SEQ ID NO. 573) VCLCG (SEQ ID NO. 574) VCYEV (SEQ ID NO. 575) VML (SEQ ID NO. 576) VNGWV (SEQ ID NO. 577) WDFDD (SEQ ID NO. 578) WFGGT (SEQ ID NO. 579) WRMVL (SEQ ID NO. 580) YSPCM (SEQ ID NO. 581)

URS Penta-peptide

Figure 1

Title: Proteome Epitope Tags and Methods of Use
Thereof in Protein Modification Analysis
Inventors: Lee et al.
Serial No. 10/773,032
Express Mail Label EM 046052199 US
Replacement Sheet



Histamine H1 receptor: SeqID: ENSP00000273023 Sequence and pentamer URS distribution

MSLPNSSCLLEDK!MCEGNK!T⁵⁸³MASPOLMPLVVVLSTICLVTVGLNLLVYAVR!SER!K!LH⁵⁸⁴TVGN
 LYIVLSVADLI⁵⁸⁵VGAVVMPMNILYLLMSK!WSLGR!PLCLFWLSMDYVASTASIFS⁵⁸⁶VILCIDR!YR!
 SVQQPLR!YLK!YR!TK!TR!ASATILGAWFLSFTLWV⁵⁸⁷IPILGWNHFMQQT⁵⁸⁸SVR!RIEDK!CETDEYDV
 TWFK!VMTA⁵⁸⁹IIINEYLP⁵⁹⁰TLMLWFYAK!YK!AVR!QHCQHR!ELINR!SLPSESEIK!LR!PENPK!G
 DAK!K!PGK!ESPWEVLK!R!K!PK!DAGGGSVLK!SPSQTPK!EMK!SPVFSQEDDR!EVDK!LYC
 FPLDIVHMQAAEGSSR!DYAVNR!SHGQLK!TDEQGLNTHGASEI⁵⁹¹SEDQMLGDSQSFSR!TDSDTT
 TETAPGK!GK!LR!SGSNTGLDYIK!FTWK!R!LR!SHSR!QYVSLGHMNR!ER!K!AAK!QLGFIMA
 AFILCWIPYFIFFMWIA⁵⁹²FCCK!NCCNEHLHMF⁵⁹³TIWLGYINSTLNPLIYPLCNE⁵⁹⁴NFK!K!TFK!R!ILHI
 RIS (SEQ ID NO. 582)

URS Penta-peptide: AII⁵⁹⁵NF (SEQ ID NO. 583) CEGNK (SEQ ID NO. 584) CNE⁵⁹⁶NF (SEQ ID NO. 585) CWIPPY (SEQ ID NO. 586) DFYDV (SEQ ID NO. 587)
 DQMLG (SEQ ID NO. 588) FILCI (SEQ ID NO. 589) FLWVI (SEQ ID NO. 590) FMOOT (SEQ ID NO. 591) FWLSM (SEQ ID NO. 592) GWNHF (SEQ ID NO.
 593) HILHMF (SEQ ID NO. 594) HMFTI (SEQ ID NO. 595) HTVGN (SEQ ID NO. 596) IFFMV (SEQ ID NO. 597) IL⁵⁹⁸CVI (SEQ ID NO. 598) LLMSK (SEQ ID
 NO. 599) LWFYA (SEQ ID NO. 600) MCEGN (SEQ ID NO. 601) MDYVA (SEQ ID NO. 602) MFTIW (SEQ ID NO. 603) MLWFI (SEQ ID NO. 604) NCCNE
 (SEQ ID NO. 605) NHFMQ (SEQ ID NO. 606) PLCLF (SEQ ID NO. 607) SPWEV (SEQ ID NO. 608) VIAFC (SEQ ID NO. 609) WFIYAK (SEQ ID NO. 610)
 WNHFM (SEQ ID NO. 611) WVIPI (SEQ ID NO. 612) YCFPL (SEQ ID NO. 613)

!: trypsin cutting site, ____: URS Penta-peptide

Figure 2

Figure 3

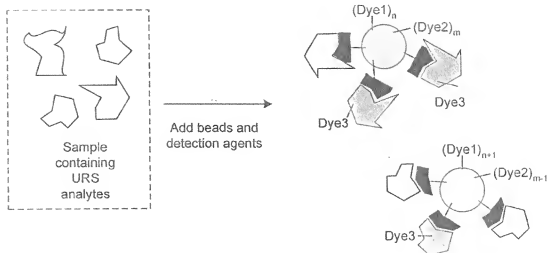


Figure 4

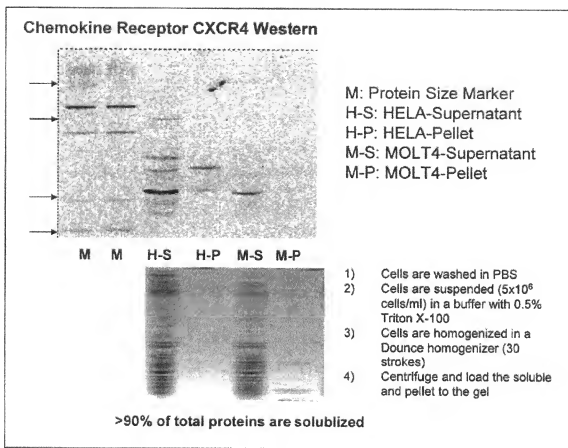


Figure 5

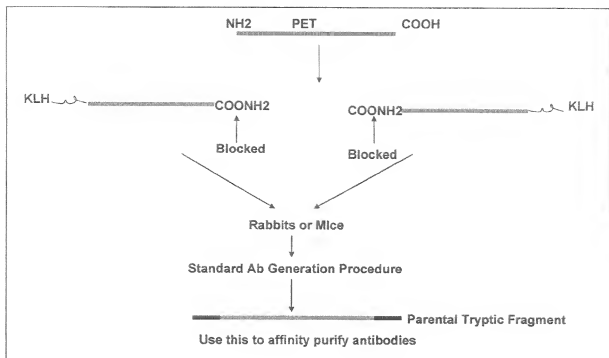


Figure 6

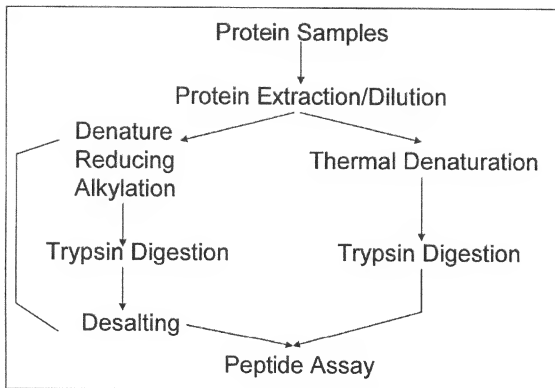


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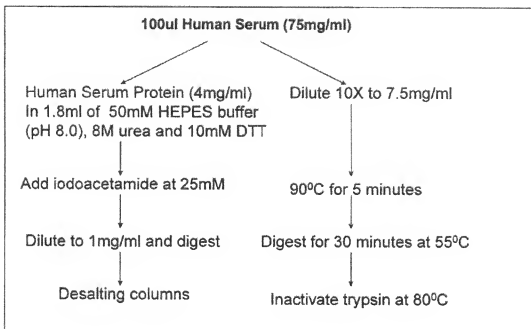


Figure 8

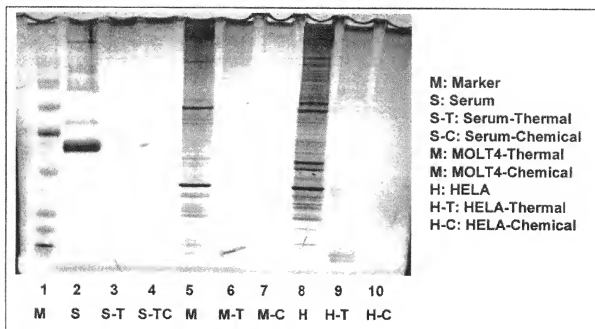


Figure 9

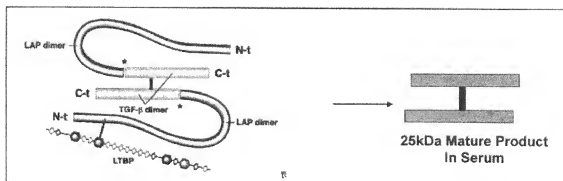


Figure 10

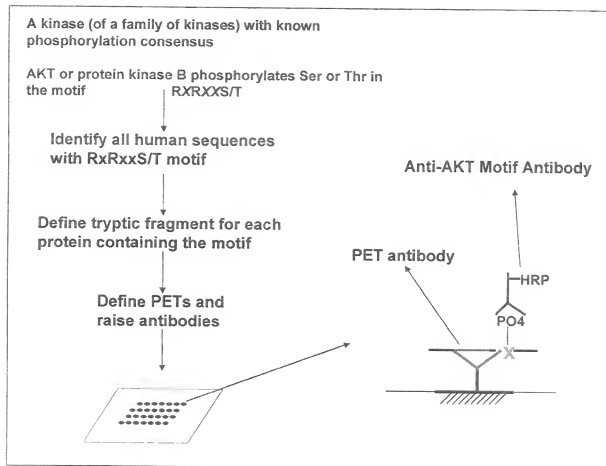


Figure 11

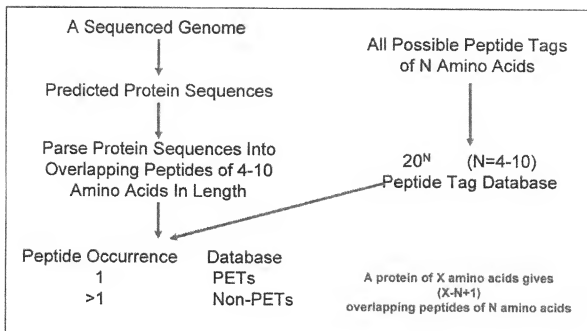


Figure 12

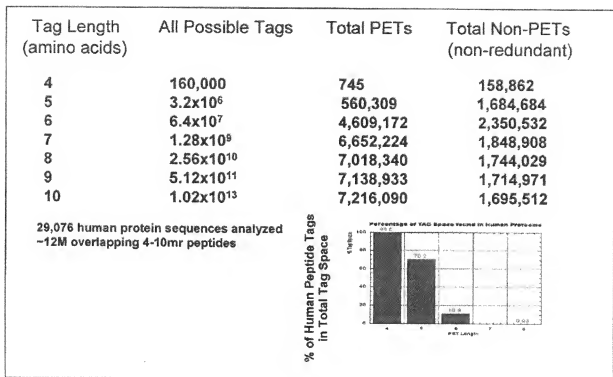


Figure 13

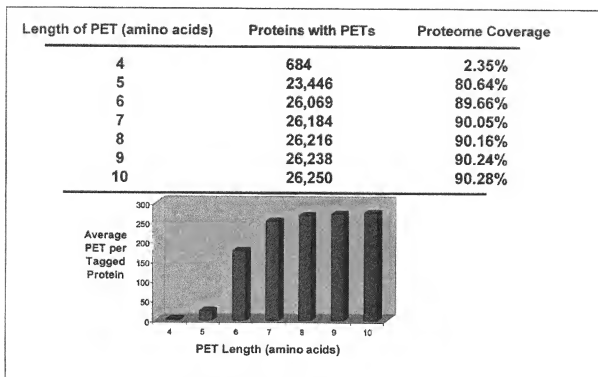


Figure 14

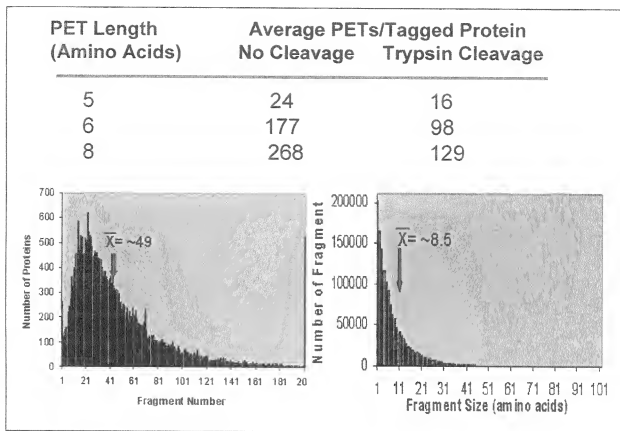


Figure 15

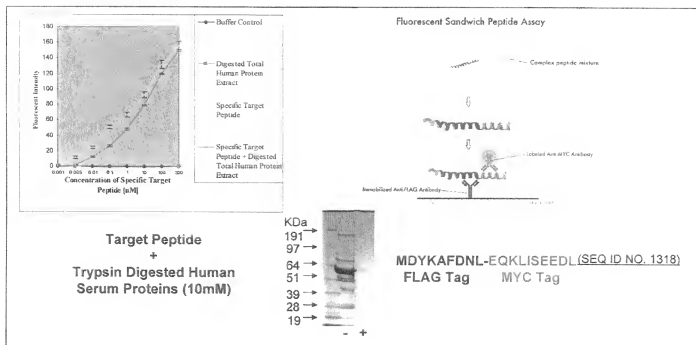


Figure 16

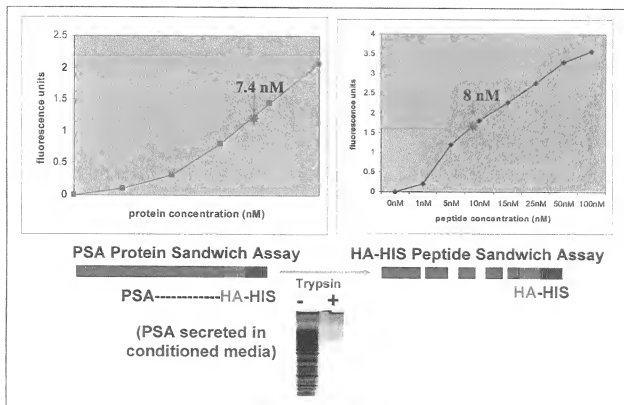


Figure 17

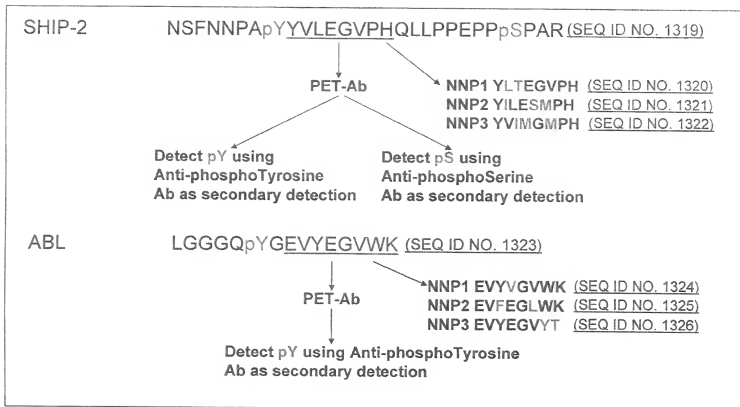


Figure 18

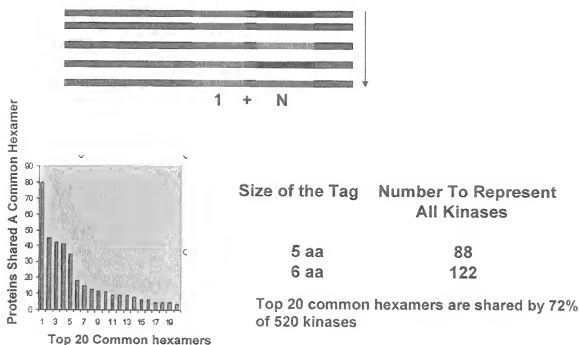


Figure 19

Protein	Parental Tryptic Peptide	Also Detect
BRAF	WSGS HQ FEQLSGSILWMAPEVIR* (SEQ ID NO. 1327)	
DLK	MSFAGTVAWMAPEVIR (SEQ ID NO. 1328)	
GCK	SF I GT P YWMAPEVAAVER (SEQ ID NO. 1329)	
HH498	WMAPEV F TQCTR (SEQ ID NO. 1330)	
HPK1	LSF I GT P YWMAPEVAAVALK (SEQ ID NO. 1331)	
LOK	DSF I GT P YWMAPEVVMCETMK (SEQ ID NO. 1332)	KSH1, 2, HPK1, SLK
LZK	MSFAGTVAWMAPEVIR (SEQ ID NO. 1333)	
MAP3K	SMHGT P YWMAPEVINESGYCR (SEQ ID NO. 1334)	
MST1	NTVIGT P FWMAPEVIQ E IGYNCVR (SEQ ID NO. 1335)	MST2
MST4	NTEVGT P FWMAPEVIQ S SAYDSK (SEQ ID NO. 1336)	
MYO3A	NTSVGT P FWMAPEVIACEQQLDTTYDAR (SEQ ID NO. 1337)	MYO3B
MYO3B	NTSVGT P FWMAPEVIACEQ Q YDSSYDAR (SEQ ID NO. 1338)	MYO3A
ZC1/HCK	NTF I GT P YWMAPEVIACDENPDATYD R (SEQ ID NO. 1339)	ZC2, ZC3
OSR1	TFVGT P FWMAPEVMEQVR (SEQ ID NO. 1340)	
PAK1	STMVGT P YWMAPEVVTR (SEQ ID NO. 1341)	PAK2, 3
PAK5	SLVGT P YWMAPEVISR (SEQ ID NO. 1342)	PAK6
RAF1	WSGS Q VEQPTGSVLWMAPEVIR (SEQ ID NO. 1343)	
STLK3	TFVGT P FWMAPEVMEQVR (SEQ ID NO. 1344)	
TAO1	ASMASPANSFVGT P YWMAPEVILAMDEGQYDGK (SEQ ID NO. 1345)	TAO3
TAO2	ASIMAPANSFVGT P YWMAPEVILAMDEGQYDGK (SEQ ID NO. 1346)	
TESK1	EPLAVVGS P YWMAPEVLR (SEQ ID NO. 1347)	
ZAK	TT H MSLVGT P FWMAPEVIQSLR (SEQ ID NO. 1348)	
BLUE = PET		
RED = Common Epitope		

Figure 20

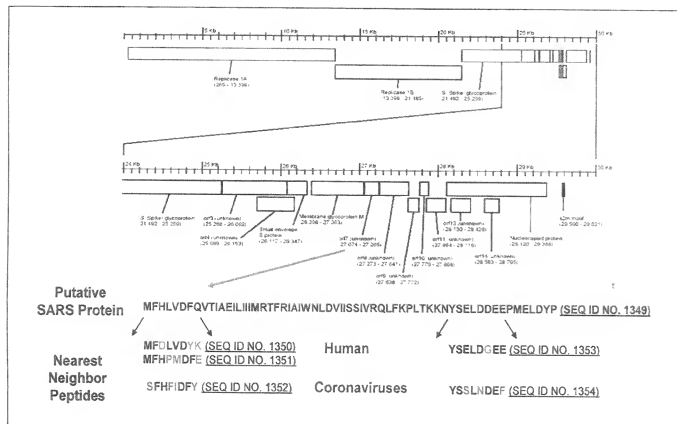
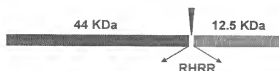


Figure 21



TGFβ-1	RHRR*AL... K* <u>VLALYNQHNPGASAAPCCVPQALEPLPIVYYVGR</u> *K (SEQ ID NO. 1355)
NNP1	NHHSPGGS (SEQ ID NO. 1356) EPLTILYY (SEQ ID NO. 1359)
NNP2	QQHNPAAAN (SEQ ID NO. 1357) DPLPVRY (SEQ ID NO. 1360)
NNP3	NKHGPGVS (SEQ ID NO. 1358) EPLPSQYY (SEQ ID NO. 1361)
TGFβ-2	RKKR*AL...R* <u>VLSLYNTINPEASAPCCVSQDLEPLTILYYIGK</u> *T (SEQ ID NO. 1362)
NNP1	NTLNPEAS (SEQ ID NO. 1363) PQDLEPLT (SEQ ID NO. 1366)
NNP2	NKLDPEAS (SEQ ID NO. 1364) SEDLEPLA (SEQ ID NO. 1367)
NNP3	NTANPERS (SEQ ID NO. 1365) SQDLDPMA (SEQ ID NO. 1368)
TGFβ-3	RKKR*AL...R* <u>SADITHSTVLGLYNTLNPEASAPCCVPQDLEPLTILYYVGR</u> *T (SEQ ID NO. 1369)
NNP1	SAHSTHST (SEQ ID NO. 1370) NTINPEAS (SEQ ID NO. 1373)
NNP2	SSDTTHAS (SEQ ID NO. 1371) NKLDPEAS (SEQ ID NO. 1374)
NNP3	AAEATHST (SEQ ID NO. 1372) NTANPERS (SEQ ID NO. 1375)
TGFβ-4	MK*WAK* <u>NWVLEPPGFLAYECVGTCCQPPEALAFNWPFLGPR</u> *Q (SEQ ID NO. 1376)
NNP1	NWAVDPPG (SEQ ID NO. 1377) QPPEAFGF (SEQ ID NO. 1380)
NNP2	HWWVSPPG (SEQ ID NO. 1378) KPPEALAM (SEQ ID NO. 1381)
NNP3	NWVRLPPG (SEQ ID NO. 1379) QPPEAKKF (SEQ ID NO. 1382)

Figure 22

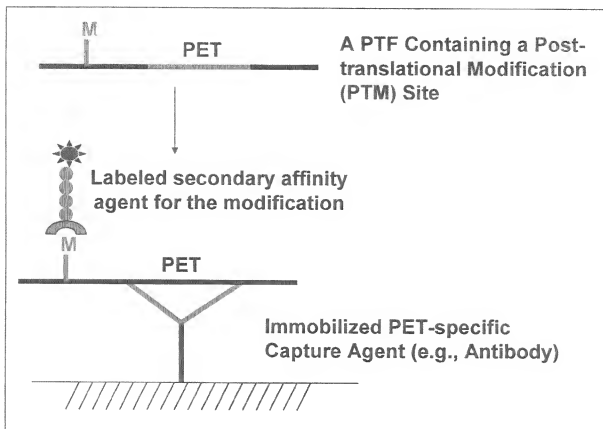


Figure 23

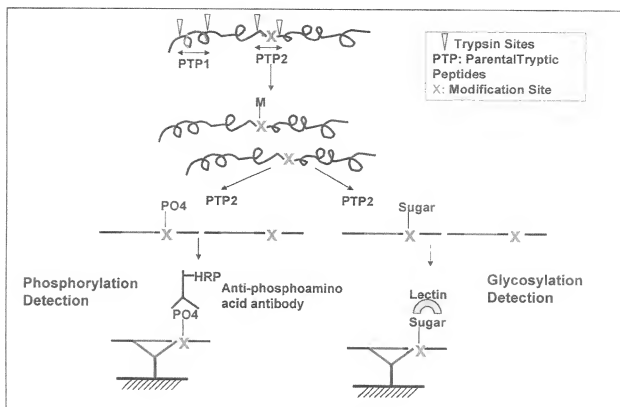
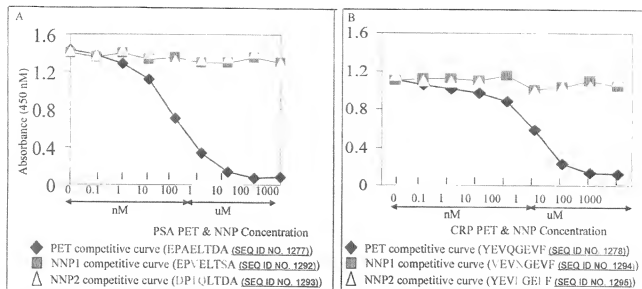


Figure 24



HRP

